GPGeometry

Geometry Course Syllabus 2017-2018

Grade Level: 9-12   Credit Available: 1 Pre-Requisite: Algebra I or Intermediate Algebra

Teacher Contact Information:
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Text Reminders/Announcements: text @gpgeometry to 81010 or (971)252-6611

Course Content: Geometry is a key element in the foundation of any student's understanding of mathematical logic and spatial conceptualization. In this class, students from explore Euclidean Geometry which is the gives us a way to connect algebra with tangible applications that we can see and touch.   To do this, we will study the relationships among 2-dimensional planer objects (points, lines, planes, polygons, etc.) and 3-dimensional spatial objects (polyhedrons, prisms, pyramids, spheres, etc.) and their applications to our world.
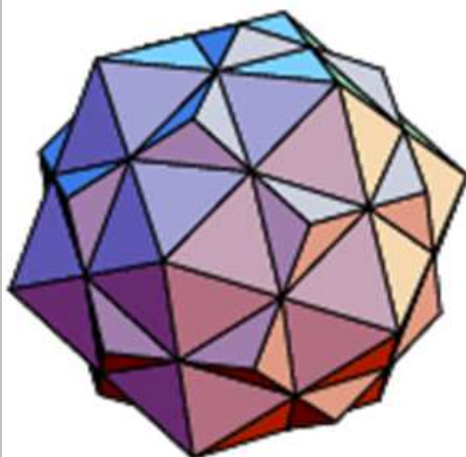
Units/Power Standards:

Semester 1

0. Probability
1. Basics of Geometry
2. Reasoning and Proof
3. Parallel and Perpendicular Lines
4. Transformations
5. Congruent Triangles

Semester 2

7. Quadrilaterals and Other Polygons
8. Similarity
9. Right Triangles and Trigonometry
10. Circles
11. Circumference, Area, and Volume

In order to pass the course, students must earn at least 70% (which shows proficiency) on all unit tests during the semester.

Required Materials:
Binder, pens and pencils

Optional Materials:
Scientific Calculator, Stylus for the iPads that will be used daily.

Overall Academic Grade Policies:
- Assessments: 80%
- Assignments & Quizzes: 10%
- Review & App. Problems   10%

Semester Grade Scale:
90%-100%: A - Mastery
80%-89%:B – Approaching Mastery
70%-79%: C - Proficient
0%-69%: F – Not Proficient

Assignment Policies & Procedures:
Daily Assignments will be assigned most school days and are usually due **the first day of the week** or **the day of a test** (whichever comes first). **.** The assignments are your chance to practice and learn from your mistakes. The process is the most important part! So, don't just list answers.
When completing written homework, you must:
- ***Complete and turn in work on iPad***.
- Label work clearly and _circle or box your answers_.
- Show your process for every problem _No Process = NO CREDIT!_
Late homework will not be accepted for credit after the unit assessment.

A Technologically Advanced (semi-paperless) Classroom

The technology in our world is growing exponentially (Moore's law) every day. Today's high school students need to be prepared to work in careers that may not even exist today using more advanced technology then we currently possess. In this course students will be using iPads and working with digital curriculum and resources daily. This may take some adjustment for students, but it makes a much better learning experience.

Online Textbook, assignments, videos, and resources:
www.bigideasmath.com

Google Classroom:
classroom.google.com

- **Digital Textbook:** *Big Ideas math - Geometry* Our textbook is available online through www.bigideasmath.com. You can also check one out from the Library for the year.

- **Google Classroom:** This is where students will access and download

- **Internet Access:** If students have limited internet access at home, they can use school iPads or computers (in labs and library) during before school, during cave time, during office hours, or after school (library)

**Technology Policy: Students are expected to use these responsibly. Any deliberate attempt to alter or damage the software or the device will result in students losing their privilege of using the iPads during class and possibly an office referral.

Other Course Documents:
www.knightmath.com/ gpgeometry

Unit Reassessment Policy: *You will be allowed to retake assessments (within 2 weeks after test is returned) and* <u>*replace their score*</u> *if you meet the following criteria before a retake is given:*

1. *Demonstrate understanding by* **<u>completing practice problems</u>** *of the concepts* <u>*before re-testing*</u>*.*
2. **<u>Correct and discuss the first assessment</u>** *with Mr. Knight.*

Academic Honesty: Students cheating on assignments or exams will earn a 0% and may receive an office referral resulting in consequences from the administration. These assignments must be completed using reassessment policies.

Class Privileges

As a student in Mr. Knight's class, you will receive the following privileges <u>*free of charge*</u>:

1. You may experience the ***thrills*** of experiencing math ***without distractions***.
       (Things like food and cell phones will distract our work, so they get to stay in your bags)
2. You will be able to learn math from ***"Bell to Bell"***… I won't quit early, so you won't want to either!
3. You will receive Mr. Knight's ***best effort*** and resources to lead you on the exciting journey into the world of mathematics! *So, don't give up… I'll give you my best, so just give your best effort and we'll succeed!*
4. Finally, you have the privilege of laughing at all of Mr. Knight's jokes whether they are funny or not!